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(54) Title: **HYBRID INORGANIC POLYMER SYSTEMS**

(57) Abstract: An inorganic polymer which comprises one or more organic functional groups and which has the following empirical formula: $R_m[M_2O]_x[Al_2O_3]_y[SiO_2]_zX_q \cdot PH_2O$, in which: R represents an organic functional group; M is an alkali metal; X is selected from chlorine and fluorine; m is > 0; q is ≥ 0; x is from 1 to 1.6; y is from 1.0; x/y is from 1.0 to 1.6; z is from 3 to 65; z/y is ≥ 1.0; and P is from 3 to 5.

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